



Material Content Data Sheet



Sales Product Name		IPA029N06N		Issued		20. July 2018		
MA#		MA001652670						
Package		PG-TO220-3-313		Weight*		2228.27 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	2.055	0.09	0.09	922	922
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	iron	7439-89-6	0.903	0.04		405	
	non noble metal	copper	7440-50-8	902.149	40.49	40.54	404866	405393
	non noble metal	aluminium	7429-90-5	9.548	0.43	0.43	4285	4285
wire	non noble metal	aluminium	7429-90-5	9.548	0.43	0.43	4285	4285
encapsulation	organic material	carbon black	1333-86-4	2.335	0.10		1048	
	plastics	epoxy resin	-	217.796	9.77		97743	
	inorganic material	silicondioxide	60676-86-0	937.177	42.07	51.94	420585	519376
leadfinish	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3535	3535
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	743	743
solder	non noble metal	antimony	7440-36-0	0.144	0.01		64	
	noble metal	silver	7440-22-4	0.359	0.02		161	
	non noble metal	tin	7440-31-5	0.934	0.04	0.07	419	644
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	iron	7439-89-6	0.145	0.01		65	
	non noble metal	copper	7440-50-8	144.874	6.50	6.51	65017	65102
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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